

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001436**Date Inspected:** 18-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Weld Seams, Miscellaneous Metal, Cross Beam**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OBG 4AW/4BW

Bottom weld seam base metal surfaces were abrasive blasted to SSPC SP-6 condition and rejected by ABF QA Bill Oak.

OBG 1AE

Bottom "T" stiffeners and adjacent vertical base metal surfaces of floor beams and diaphragms were abrasive blasted and rejected by ABF QA due to grinding operations incomplete and no SSPC SP-10 condition.

WELD SEAMS

Weld seams L3W, L4W, L4E, & L3E MEK rub and chloride testing were performed on Interzinc 22 coated surfaces and all tests met contract requirements, adjacent surfaces were feathered and application of Interfine 979 "mist" coat proceeded.

OBG 5BE

Internal surfaces coated with Interzinc 22 were tested for adhesion and all tests exceeded 4Mpa.

Cross Beam #1

Internal surfaces coated with Interzinc 22 were tested for adhesion and all tests exceeded 4Mpa.

Miscellaneous Metal

Base metal surfaces of cable trays, splice plates, stiffeners, and angle iron were de-greased and water washed prior to abrasive blasting.

SOURCE INSPECTION REPORT

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OBG 3AW/3BW

Internal base metal weld seam and adjacent areas were abrasive blasted on the internal surfaces of this segments and Interzinc 22 applied.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley also in attendance were International Protective Coatings technical service representatives Peng ZiLi and Alpha Chen.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
